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<b>UTILITY</b> <b>PATENT APPLICATION</b> <b>TRANSMITTAL</b> (Only for new nonprovisional applications under 37 CFR 1.53(b))		Attorney Docket No. <b>TI-31614.1A</b>
		First Named Inventor or Application Identifier <b>Johnny Cheng, et al.</b>
		Title <b>BGA Substrate Via Structure</b>
		Express Mail Label No. <b>EV 334467444 US</b>

<b>APPLICATION ELEMENTS</b> See MPEP Chapter 600 concerning utility patent application contents		<b>ADDRESS TO:</b>																									
		Commissioner for Patents Box Patent Application Alexandria, VA 22313-1460																									
1. <input checked="" type="checkbox"/>	Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)	6. <input type="checkbox"/>	Microfiche Computer Program (Appendix)																								
2. <input checked="" type="checkbox"/>	Specification (preferred arrangement set forth below) - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R&D - Reference to Microfiche Appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure	7. <input type="checkbox"/>	Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Copy b. <input type="checkbox"/> Paper Copy (identical to computer copy) c. <input type="checkbox"/> Statement verifying identical of above copies																								
3. <input checked="" type="checkbox"/>	Drawing(s) (35 USC d113) <b>FORMALS</b> /Total Sheets <b>3</b>	8. <input type="checkbox"/>	Assignment Papers (cover sheet & Documents(s))																								
4. <input type="checkbox"/>	Oath or Declaration /Total Pages <b>1</b>	9. <input type="checkbox"/>	37 CFR §3.73(b) Statement (when there is an assignee) <input checked="" type="checkbox"/> Power of Attorney																								
a. <input type="checkbox"/>	Newly Executed (original or copy)	10. <input type="checkbox"/>	English Translation Document (if applicable)																								
b. <input checked="" type="checkbox"/>	Copy from a prior application (37 CFR §1.63(d)) (for continuation/divisional with Box 17 completed)	11. <input checked="" type="checkbox"/>	Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations																								
<b>[Note Box 5 below]</b>																											
i. <input type="checkbox"/>	<u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §1.63(d)(2) and 1.33(b).	12. <input type="checkbox"/>	Preliminary Amendment																								
5. <input checked="" type="checkbox"/>	Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.	13. <input checked="" type="checkbox"/>	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)																								
* A new statement is required to be entitled to pay small entity fees, except where one has been filed in a prior application and is being relied upon.																											
17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment:																											
<input checked="" type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP)      of prior application No: <b>10/193,394 filed 07/11/2002, which is a divisional application of Serial No.: 09/812,169, filed 03/19/2001 now U.S. Patent No. 6,441,486.</b> Prior application information: <b>Examiner Mai Huong Tran</b> Group / Art Unit: <b>2818</b>																											
<b>18. CORRESPONDENCE ADDRESS</b>																											
<input checked="" type="checkbox"/> Customer Number or Bar Code Label <small>(Insert Customer No. or Attach bar code label here)</small>		<b>23494</b>	<input type="checkbox"/> Correspondence address below																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">NAME</td> <td colspan="3" style="text-align: left;"><b>MICHAEL K. SKREHOT</b> <b>Texas Instruments Incorporated</b></td> </tr> <tr> <td>ADDRESS</td> <td colspan="3">Mail Station 3999 P. O. Box 655474</td> </tr> <tr> <td>CITY</td> <td>Dallas</td> <td>STATE</td> <td>TX</td> </tr> <tr> <td>COUNTRY</td> <td>U.S.A.</td> <td>TELEPHONE</td> <td>(972) 917-5653</td> </tr> <tr> <td colspan="2">ZIP CODE</td> <td colspan="2"><b>75265</b></td> </tr> <tr> <td colspan="2">FAX</td> <td colspan="2"><b>(972) 917-4418</b></td> </tr> </table>				NAME	<b>MICHAEL K. SKREHOT</b> <b>Texas Instruments Incorporated</b>			ADDRESS	Mail Station 3999 P. O. Box 655474			CITY	Dallas	STATE	TX	COUNTRY	U.S.A.	TELEPHONE	(972) 917-5653	ZIP CODE		<b>75265</b>		FAX		<b>(972) 917-4418</b>	
NAME	<b>MICHAEL K. SKREHOT</b> <b>Texas Instruments Incorporated</b>																										
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Name (Print/Type)		<b>MICHAEL K. SKREHOT</b>																									
Signature		 <b>6-26-03</b>																									
		Registration No. (Attorney/Agent) <b>36,682</b>																									

10/606717  
06/26/03

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**FEE TRANSMITTAL**

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

TOTAL AMOUNT OF PAYMENT

(\$ 750)

**Complete If Known**

Application Number	TBD
Filing Date	Herewith
First Named Inventor	Johnny Cheng, et al.
Examiner Name	TBD
Group / Art Unit	TBD
Attorney Docket No.	TI-31614.1A

**METHOD OF PAYMENT**1.  The Commissioner is hereby authorized to charge to the following Deposit Account.

Deposit Account Number

20-0668

Deposit Account Name

Texas Instruments Incorporated

 Charge any additional fee required or credit any overpayment Charge all indicated fees and any additional fee required or credit any overpayment2.  Payment Enclosed: Check     Money Order     Other**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension of time within second month	
117	950	217	475	Extension of time within third month	
118	1,510	218	755	Extension of time within fourth month	
128	2,060	228	1,030	Extension of time within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,320	241	660	Petition to revive - unintentional	
142	1,320	242	660	Utility issue fee (or reissue)	
143	450	243	225	Design issue fee	
144	670	244	335	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt.	
581	40	581	40	Recording each patent assignment per property (time number of properties)	
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))	
149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))	

**FEE CALCULATION****1. BASIC FILING FEE**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	790	201	395	Utility filing fee	\$750
106	330	206	165	Design filing fee	\$
107	540	207	270	Plant filing fee	\$
108	790	208	395	Reissue filing fee	\$
114	150	214	75	Provisional filing fee	\$
SUBTOTAL (1)				(\$ 750)	

**2. EXTRA CLAIM FEES**

	Extra Claims	Fee from below	Fee Paid
Total Claims	16	-20** = 0	x 18 = 0
Independent Claims	2	-3** = 0	x 84 = 0
Multiple Dependent			280 = 0

\*\*or number previously paid, if greater; For Reissue, see below

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
103	22	203	11	Claims in excess of 20
102	82	202	41	Independent Claims in excess of 3
104	280	204	135	Multiple dependent claims in excess of 3
109	82	209	41	**Reissue independent claims over original patent
110	22	210	11	**Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)				(\$ 0)

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) \_\_\_\_\_

SUBMITTED BY

Typed or Printed Name

MICHAEL K. SKREHOT

Customer Number: 23494

Reg. Number 36,682

Signature



Date 6-26-03

Deposit Account User ID